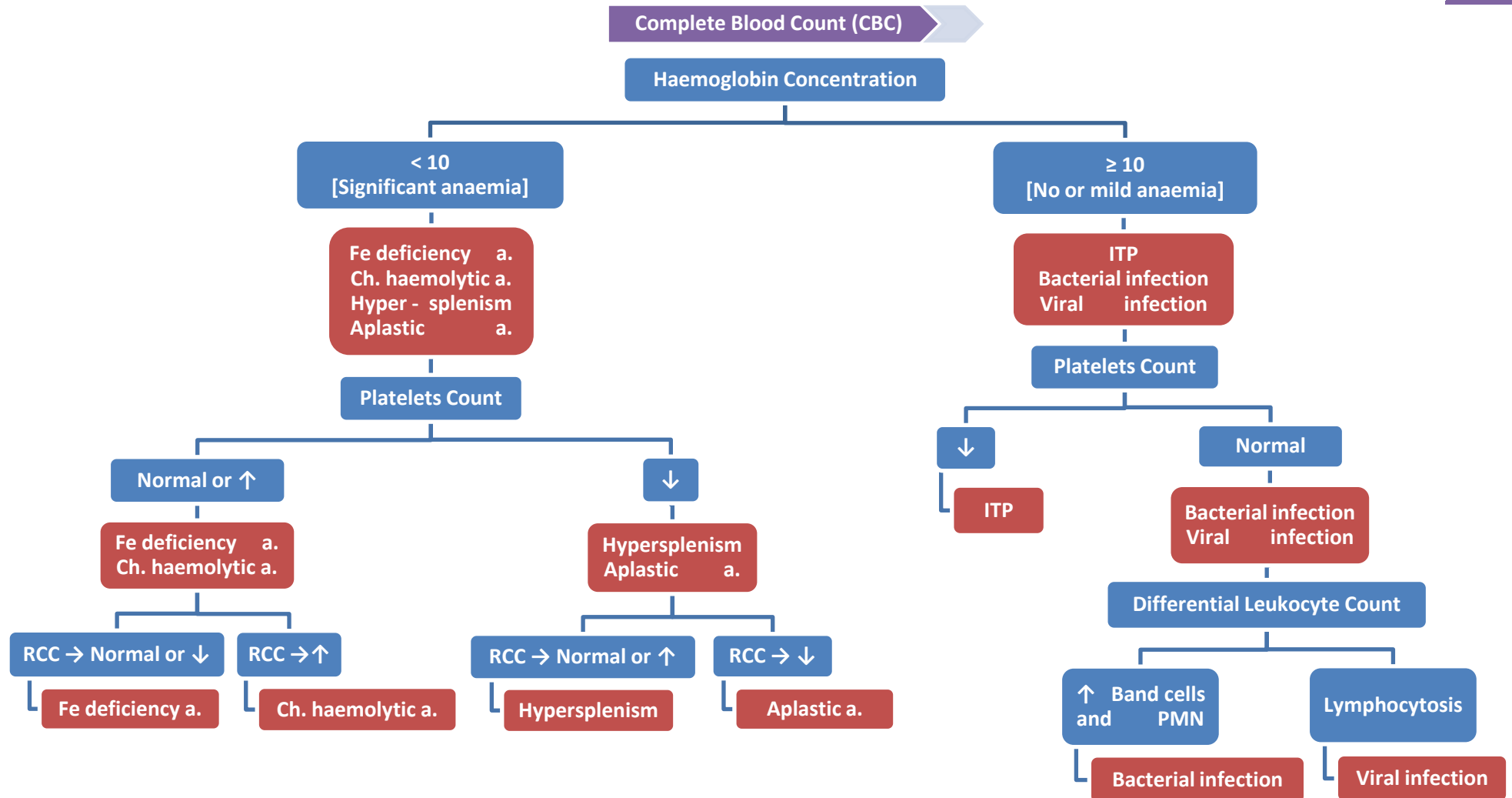




► **Note:**

- Pancytopenia → Hypersplenism, Aplastic anaemia.
- Microcytic hypochromic anaemia → Fe deficiency anaemia, Chronic haemolytic anaemia.

► Investigations to prove **Fe deficiency anaemia**:

- ✘ Serum iron.
- ✘ Iron binding capacity.
- ✘ Serum ferritin.

► Investigations to prove **Haemolytic anaemia**:

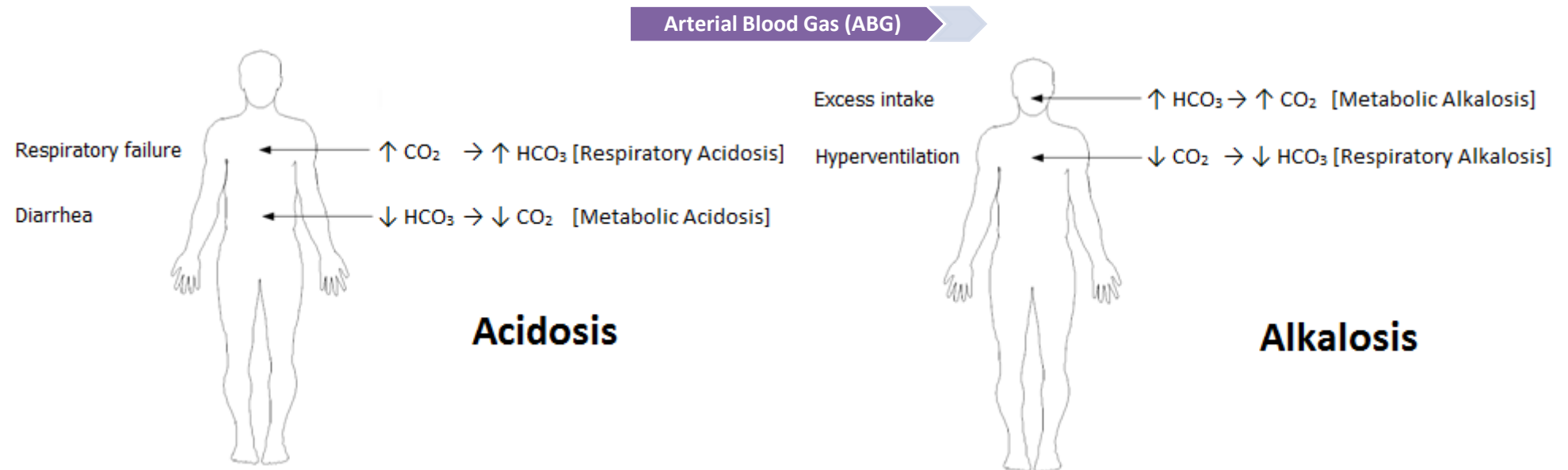
- ✘ Serum iron.
- ✘ Iron binding capacity.
- ✘ Haemolytic profile.

► Investigations to prove **Pancytopenia** → BM aspirate and biopsy.

► Investigations to prove **ITP** → BM aspirate.

► Investigations to prove **Bacterial infection** → Blood culture, ESR, CRP.

► Investigations to prove **Viral infection** → ELISA, PCR.



► **Note:** Look first at PH [Acidosis or Alkalosis?] → Then Look at PCO_2 AND HCO_3 . (If both normal and there is $\downarrow \text{PH}$ → Mixed respiratory and metabolic acidosis)